

**Supplemental Table A: Disease Classification:**

Diseases in GBD report were divided into three categories based on method described in Chang et al [1]. They used Delphi process to classify each of the 291 conditions catalogued in the GBD study into three disease categories: (1) conditions that, if not diagnosed and treated within hours to days of onset, commonly lead to serious physical or mental disability or death (eg, lower respiratory infections, trauma) (Emergency Medical Diseases), (2) conditions with trajectories that can involve acute decompensation, which lead many patients to experience serious physical or mental disability or death (eg, diabetes mellitus, HIV/AIDS) (Urgent Medical Diseases) , and (3) non-emergency conditions (eg, osteoarthritis, dementia) (non-Urgent Medical Diseases). EMDs, Emergency Medical Diseases

Count	Urgent	Non Urgent	EMDs
1	African trypanosomiasis	Alzheimer disease and other dementias	Acute glomerulonephritis
2	Alcohol use disorders	Anxiety disorders	Appendicitis
3	Aortic aneurysm	Attention-deficit/hyperactivity disorder	Atrial fibrillation and flutter
4	Asthma	Autistic spectrum disorders	Dengue
5	Bipolar disorder	Benign prostatic hyperplasia	Diarrheal diseases
6	Brain and nervous system cancer	Bladder cancer	Ebola
7	Cardiomyopathy and myocarditis	Breast cancer	Encephalitis
8	Chagas disease	Cervical cancer	Endocarditis
9	Chronic kidney disease	Cirrhosis and other chronic liver diseases due to other causes	Epilepsy
10	Chronic obstructive pulmonary disease	Conduct disorder	Hemolytic disease and other neonatal jaundice
11	Cirrhosis and other chronic liver diseases due to alcohol use	Congenital birth defects	Hemorrhagic Stroke
12	Cirrhosis and other chronic liver diseases due to hepatitis B	Endocrine, metabolic, blood, and immune disorders	Injuries
13	Cirrhosis and other chronic liver diseases due to hepatitis C	Gallbladder and biliary tract cancer	Ischemic heart disease
14	Colon and rectum cancer	Gout	Ishcmeic Stroke
15	Cystic echinococcosis	Hodgkin lymphoma	Lower respiratory infections
16	Cysticercosis	Idiopathic developmental intellectual disability	Malaria
17	Depressive disorders	Indirect maternal deaths	Maternal abortion, miscarriage, and ectopic pregnancy
18	Diabetes mellitus	Inflammatory bowel disease	Maternal hemorrhage
19	Diphtheria	Kidney cancer	Maternal hypertensive disorders
20	Drug use disorders	Late maternal deaths	Maternal obstructed labor and uterine rupture
21	Eating disorders	Leprosy	Maternal sepsis and other maternal infections
22	Esophageal cancer	Liver cancer due to alcohol use	Meningitis
23	Food-borne trematodiases	Liver cancer due to hepatitis B	Neonatal encephalopathy due to birth asphyxia and trauma
24	Gallbladder and biliary diseases	Liver cancer due to hepatitis C	Neonatal preterm birth complications
25	Gastritis and duodenitis	Liver cancer due to other causes	Neonatal sepsis and other neonatal infections
26	Gynecological diseases	Lymphatic filariasis	Paralytic ileus and intestinal obstruction
27	Hemoglobinopathies and hemolytic anemias	Male infertility	Paratyphoid fever
28	Hepatitis	Malignant skin melanoma	Rabies
29	HIV/AIDS	Maternal deaths aggravated by HIV/AIDS	Tetanus

30	Hypertensive heart disease	Mesothelioma	Typhoid fever
31	Inguinal, femoral, and abdominal hernia	Migraine	Yellow fever
32	Interstitial lung disease and pulmonary sarcoidosis	Motor neuron disease	
33	Interstitial nephritis and urinary tract infections	Multiple sclerosis	
34	Intestinal nematode infections	Non-Hodgkin lymphoma	
35	Iodine deficiency	Non-melanoma skin cancer	
36	Iron-deficiency anemia	Oral disorders	
37	Larynx cancer	Osteoarthritis	
38	Leishmaniasis	Other cardiovascular and circulatory diseases	
39	Leukemia	Other chronic respiratory diseases	
40	Lip and oral cavity cancer	Other digestive diseases	
41	Low back and neck pain	Other infectious diseases	
42	Measles	Other intestinal infectious diseases	
43	Medication overuse headache	Other maternal disorders	
44	Multiple myeloma	Other mental and substance use disorders	
45	Nasopharynx cancer	Other musculoskeletal disorders	
46	Onchocerciasis	Other neglected tropical diseases	
47	Otitis media	Other neonatal disorders	
48	Pancreatitis	Other neoplasms	
49	Peptic ulcer disease	Other neurological disorders	
50	Peripheral artery disease	Other nutritional deficiencies	
51	Pneumoconiosis	Other pharynx cancer	
52	Protein-energy malnutrition	Other urinary diseases	
53	Rheumatic heart disease	Ovarian cancer	
54	Schistosomiasis	Pancreatic cancer	
55	Schizophrenia	Parkinson disease	
56	Sexually transmitted diseases excluding HIV	Prostate cancer	
57	Skin and subcutaneous diseases	Rheumatoid arthritis	
58	Stomach cancer	Sense organ diseases	
59	Tracheal, bronchus, and lung cancer	Sudden infant death syndrome	
60	Trachoma	Tension-type headache	
61	Tuberculosis	Testicular cancer	
62	Upper respiratory infections	Thyroid cancer	
63	Urolithiasis	Uterine cancer	
64	Varicella and herpes zoster	Vitamin A deficiency	
65	Vascular intestinal disorders		
66	Whooping cough		

## Supplemental Table B: World Bank Groupings

The World Bank develops analytical classification of the world's economies based on estimates of gross national income (GNI) per capita for the previous year. As of 1 July 2015, low-income economies are defined as those with a GNI per capita of \$1,045 or less in 2014; middle-income economies are those with a GNI per capita of more than \$1,045 but less than \$12,736; high-income economies are those with a GNI per capita of \$12,736 or more. Lower-middle-income and upper-middle-income economies are separated at a GNI per capita of \$4,125. Table adapted from World Bank Database

(<https://datahelpdesk.worldbank.org/knowledgebase/articles/906519-world-bank-country-and-lending-groups>).

Count	Country	World Bank Income Group
1	Afghanistan	Low income
2	Albania	Upper middle income
3	Algeria	Upper middle income
4	American Samoa	Upper middle income
5	Andorra	High income
6	Angola	Upper middle income
7	Antigua and Barbuda	High income
8	Argentina	Upper middle income
9	Armenia	Lower middle income
10	Aruba	High income
11	Australia	High income
12	Austria	High income
13	Azerbaijan	Upper middle income
14	Bahrain	High income
15	Bangladesh	Lower middle income
16	Barbados	High income
17	Belarus	Upper middle income
18	Belgium	High income
19	Belize	Upper middle income
20	Benin	Low income
21	Bermuda	High income
22	Bhutan	Lower middle income
23	Bolivia	Lower middle income
24	Bosnia and Herzegovina	Upper middle income
25	Botswana	Upper middle income
26	Brazil	Upper middle income
27	British Virgin Islands	High income
28	Brunei	High income
29	Bulgaria	Upper middle income
30	Burkina Faso	Low income

31	Burundi	Low income
32	Cambodia	Lower middle income
33	Cameroon	Lower middle income
34	Canada	High income
35	Cape Verde	Lower middle income
36	Cayman Islands	High income
37	Central African Republic	Low income
38	Chad	Low income
39	Channel Islands	High income
40	Chile	High income
41	China	Upper middle income
42	Colombia	Upper middle income
43	Comoros	Low income
44	Congo	Lower middle income
45	Costa Rica	Upper middle income
46	Cote d'Ivoire	Lower middle income
47	Croatia	High income
48	Cuba	Upper middle income
49	Curaçao	High income
50	Cyprus	High income
51	Czech Republic	High income
52	Democratic Republic of the Congo	Low income
53	Denmark	High income
54	Djibouti	Lower middle income
55	Dominica	Upper middle income
56	Dominican Republic	Upper middle income
57	Ecuador	Upper middle income
58	Egypt	Lower middle income
59	El Salvador	Lower middle income
60	England	High income
61	Equatorial Guinea	Upper middle income
62	Eritrea	Low income
63	Estonia	High income
64	Ethiopia	Low income
65	Faroe Islands	High income
66	Fiji	Upper middle income
67	Finland	High income
68	France	High income
69	French Polynesia	High income

70	Gabon	Upper middle income
71	Georgia	Upper middle income
72	Germany	High income
73	Ghana	Lower middle income
74	Gibraltar	High income
75	Greece	High income
76	Greenland	High income
77	Grenada	Upper middle income
78	Guam	High income
79	Guatemala	Lower middle income
80	Guinea	Low income
81	Guinea-Bissau	Low income
82	Guyana	Upper middle income
83	Haiti	Low income
84	Honduras	Lower middle income
85	Hong Kong SAR, China	High income
86	Hungary	High income
87	Iceland	High income
88	India	Lower middle income
89	Indonesia	Lower middle income
90	Iran	Upper middle income
91	Iraq	Upper middle income
92	Ireland	High income
93	Isle of Man	High income
94	Israel	High income
95	Italy	High income
96	Jamaica	Upper middle income
97	Japan	High income
98	Jordan	Upper middle income
99	Kazakhstan	Upper middle income
100	Kenya	Lower middle income
101	Kiribati	Lower middle income
102	Kosovo	Lower middle income
103	Kuwait	High income
104	Kyrgyzstan	Lower middle income
105	Laos	Lower middle income
106	Latvia	High income
107	Lebanon	Upper middle income
108	Lesotho	Lower middle income
109	Liberia	Low income

110	Libya	Upper middle income
111	Liechtenstein	High income
112	Lithuania	High income
113	Luxembourg	High income
114	Macao SAR, China	High income
115	Macedonia	Upper middle income
116	Madagascar	Low income
117	Malawi	Low income
118	Malaysia	Upper middle income
119	Maldives	Upper middle income
120	Mali	Low income
121	Malta	High income
122	Marshall Islands	Upper middle income
123	Mauritania	Lower middle income
124	Mauritius	Upper middle income
125	Mexico	Upper middle income
126	Micronesia, Fed. Sts.	Lower middle income
127	Moldova	Lower middle income
128	Monaco	High income
129	Mongolia	Lower middle income
130	Montenegro	Upper middle income
131	Morocco	Lower middle income
132	Mozambique	Low income
133	Myanmar	Lower middle income
134	Namibia	Upper middle income
135	Nauru	High income
136	Nepal	Low income
137	Netherlands	High income
138	New Caledonia	High income
139	New Zealand	High income
140	Nicaragua	Lower middle income
141	Niger	Low income
142	Nigeria	Lower middle income
143	North Korea	Low income
144	Northern Ireland	High income
145	Northern Mariana Islands	High income
146	Norway	High income
147	Oceania	Low income
148	Oman	High income
149	Pakistan	Lower middle income

150	Palau	Upper middle income
151	Palestine	Lower middle income
152	Panama	Upper middle income
153	Papua New Guinea	Lower middle income
154	Paraguay	Upper middle income
155	Peru	Upper middle income
156	Philippines	Lower middle income
157	Poland	High income
158	Portugal	High income
159	Puerto Rico	High income
160	Qatar	High income
161	Romania	Upper middle income
162	Russia	Upper middle income
163	Rwanda	Low income
164	Saint Lucia	Upper middle income
165	Saint Vincent and the Grenadines	Upper middle income
166	Samoa	Lower middle income
167	San Marino	High income
168	Sao Tome and Principe	Lower middle income
169	Saudi Arabia	High income
170	Scotland	High income
171	Senegal	Low income
172	Serbia	Upper middle income
173	Seychelles	High income
174	Sierra Leone	Low income
175	Singapore	High income
176	Sint Maarten (Dutch part)	High income
177	Slovakia	High income
178	Slovenia	High income
179	Solomon Islands	Lower middle income
180	Somalia	Low income
181	South Africa	Upper middle income
182	South Korea	High income
183	South Sudan	Low income
184	Spain	High income
185	Sri Lanka	Lower middle income
186	St. Kitts and Nevis	High income
187	St. Martin (French part)	High income
188	Sudan	Lower middle income

189	Suriname	Upper middle income
190	Swaziland	Lower middle income
191	Sweden	High income
192	Switzerland	High income
193	Syria	Lower middle income
194	Taiwan	High income
195	Tajikistan	Lower middle income
196	Tanzania	Low income
197	Thailand	Upper middle income
198	Bahamas	High income
199	Gambia	Low income
200	Timor-Leste	Lower middle income
201	Togo	Low income
202	Tonga	Lower middle income
203	Trinidad and Tobago	High income
204	Tunisia	Lower middle income
205	Turkey	Upper middle income
206	Turkmenistan	Upper middle income
207	Turks and Caicos Islands	High income
208	Tuvalu	Upper middle income
209	Uganda	Low income
210	Ukraine	Lower middle income
211	United Arab Emirates	High income
212	United States	High income
213	Uruguay	High income
214	Uzbekistan	Lower middle income
215	Vanuatu	Lower middle income
216	Venezuela	Upper middle income
217	Vietnam	Lower middle income
218	Virgin Islands, U.S.	High income
219	Wales	High income
220	West Bank and Gaza	Lower middle income
221	Yemen	Lower middle income
222	Zambia	Lower middle income
223	Zimbabwe	Low income

### Supplemental Table C: World Health Organization Geographical Regions

Based on geographical location, World Health Organization (WHO) member states are grouped into 6 WHO regions: African Region, Region of the Americas, South-East Asia Region, European Region, Eastern Mediterranean Region, and Western Pacific Region.

Count	Country	WHO Region Group
1	Algeria	Africa
2	Angola	Africa
3	Benin	Africa
4	Botswana	Africa
5	Burkina Faso	Africa
6	Burundi	Africa
7	Cabo Verde	Africa
8	Cameroon	Africa
9	Central African Republic	Africa
10	Chad	Africa
11	Comoros	Africa
12	Congo	Africa
13	Côte d'Ivoire	Africa
14	Democratic Republic of the Congo	Africa
15	Equatorial Guinea	Africa
16	Eritrea	Africa
17	Ethiopia	Africa
18	Gabon	Africa
19	Gambia	Africa
20	Ghana	Africa
21	Guinea	Africa
22	Guinea-Bissau	Africa
23	Kenya	Africa
24	Lesotho	Africa
25	Liberia	Africa
26	Madagascar	Africa
27	Malawi	Africa
28	Mali	Africa
29	Mauritania	Africa
30	Mauritius	Africa
31	Mozambique	Africa
32	Namibia	Africa
33	Niger	Africa

34	Nigeria	Africa
35	Rwanda	Africa
36	Sao Tome and Principe	Africa
37	Senegal	Africa
38	Seychelles	Africa
39	Sierra Leone	Africa
40	South Africa	Africa
41	South Sudan	Africa
42	Swaziland	Africa
43	Togo	Africa
44	Uganda	Africa
45	United Republic of Tanzania	Africa
46	Zambia	Africa
47	Zimbabwe	Africa
48	Afghanistan	Eastern Mediterranean Region
49	Bahrain	Eastern Mediterranean Region
50	Djibouti	Eastern Mediterranean Region
51	Egypt	Eastern Mediterranean Region
52	Iran (Islamic Republic of)	Eastern Mediterranean Region
53	Iraq	Eastern Mediterranean Region
54	Jordan	Eastern Mediterranean Region
55	Kuwait	Eastern Mediterranean Region
56	Lebanon	Eastern Mediterranean Region
57	Libya	Eastern Mediterranean Region
58	Morocco	Eastern Mediterranean Region
59	Oman	Eastern Mediterranean Region
60	Pakistan	Eastern Mediterranean Region
61	Qatar	Eastern Mediterranean Region
62	Saudi Arabia	Eastern Mediterranean Region
63	Somalia	Eastern Mediterranean Region
64	Sudan	Eastern Mediterranean Region
65	Syrian Arab Republic	Eastern Mediterranean Region
66	Tunisia	Eastern Mediterranean Region
67	United Arab Emirates	Eastern Mediterranean Region
68	Yemen	Eastern Mediterranean Region
69	Albania	Europe
70	Andorra	Europe
71	Armenia	Europe
72	Austria	Europe
73	Azerbaijan	Europe
74	Belarus	Europe
75	Belgium	Europe

76	Bosnia and Herzegovina	Europe
77	Bulgaria	Europe
78	Croatia	Europe
79	Cyprus	Europe
80	Czech Republic	Europe
81	Denmark	Europe
82	Estonia	Europe
83	Finland	Europe
84	France	Europe
85	Georgia	Europe
86	Germany	Europe
87	Greece	Europe
88	Hungary	Europe
89	Iceland	Europe
90	Ireland	Europe
91	Israel	Europe
92	Italy	Europe
93	Kazakhstan	Europe
94	Kyrgyzstan	Europe
95	Latvia	Europe
96	Lithuania	Europe
97	Luxembourg	Europe
98	Malta	Europe
99	Monaco	Europe
100	Montenegro	Europe
101	Netherlands	Europe
102	Norway	Europe
103	Poland	Europe
104	Portugal	Europe
105	Republic of Moldova	Europe
106	Romania	Europe
107	Russian Federation	Europe
108	San Marino	Europe
109	Serbia	Europe
110	Slovakia	Europe
111	Slovenia	Europe
112	Spain	Europe
113	Sweden	Europe
114	Switzerland	Europe
115	Tajikistan	Europe
116	The former Yugoslav Republic of Macedonia	Europe
117	Turkey	Europe

118	Turkmenistan	Europe
119	Ukraine	Europe
120	United Kingdom	Europe
121	Uzbekistan	Europe
122	Antigua and Barbuda	Region of The Americas
123	Argentina	Region of The Americas
124	Bahamas	Region of The Americas
125	Barbados	Region of The Americas
126	Belize	Region of The Americas
127	Bolivia (Plurinational State of)	Region of The Americas
128	Brazil	Region of The Americas
129	Canada	Region of The Americas
130	Chile	Region of The Americas
131	Colombia	Region of The Americas
132	Costa Rica	Region of The Americas
133	Cuba	Region of The Americas
134	Dominica	Region of The Americas
135	Dominican Republic	Region of The Americas
136	Ecuador	Region of The Americas
137	El Salvador	Region of The Americas
138	Grenada	Region of The Americas
139	Guatemala	Region of The Americas
140	Guyana	Region of The Americas
141	Haiti	Region of The Americas
142	Honduras	Region of The Americas
143	Jamaica	Region of The Americas
144	Mexico	Region of The Americas
145	Nicaragua	Region of The Americas
146	Panama	Region of The Americas
147	Paraguay	Region of The Americas
148	Peru	Region of The Americas
149	Saint Kitts and Nevis	Region of The Americas
150	Saint Lucia	Region of The Americas
151	Saint Vincent and the Grenadines	Region of The Americas
152	Suriname	Region of The Americas
153	Trinidad and Tobago	Region of The Americas
154	United States of America	Region of The Americas
155	Uruguay	Region of The Americas
156	Venezuela	Region of The Americas
157	Bangladesh	South East Asia
158	Bhutan	South East Asia
159	Democratic People's Republic of Korea	South East Asia

160	India	South East Asia
161	Indonesia	South East Asia
162	Maldives	South East Asia
163	Myanmar	South East Asia
164	Nepal	South East Asia
165	Sri Lanka	South East Asia
166	Thailand	South East Asia
167	Timor-Leste	South East Asia
168	Australia	Western Pacific
169	Brunei Darussalam	Western Pacific
170	Cambodia	Western Pacific
171	China	Western Pacific
172	Cook Islands	Western Pacific
173	Fiji	Western Pacific
174	Japan	Western Pacific
175	Kiribati	Western Pacific
176	Lao People's Democratic Republic	Western Pacific
177	Malaysia	Western Pacific
178	Marshall Islands	Western Pacific
179	Micronesia (Federated States of)	Western Pacific
180	Mongolia	Western Pacific
181	Nauru	Western Pacific
182	New Zealand	Western Pacific
183	Niue	Western Pacific
184	Palau	Western Pacific
185	Papua New Guinea	Western Pacific
186	Philippines	Western Pacific
187	Republic of Korea	Western Pacific
188	Samoa	Western Pacific
189	Singapore	Western Pacific
190	Solomon Islands	Western Pacific
191	Tonga	Western Pacific
192	Tuvalu	Western Pacific
193	Vanuatu	Western Pacific
194	Vietnam	Western Pacific